

GENERAL		Consolidated Permits Program (Read the "General Instructions" before starting.)		F I L D 0 6 4 1 0 3 1 9 9	
I. LABEL ITEMS		US EPA RECORDS CENTER REGION 5 483446		GENERAL INSTRUCTIONS	
I. EPA I.D. NUMBER		PLEASE PLACE LABEL IN THIS SPACE		If a preprinted label has been provided, fill it in the designated space. Review the information carefully; if any of it is incorrect, correct through it and enter the correct data in appropriate fill-in area below. Also, if any the preprinted data is absent (the area to left of the label space lists the information that should appear), please provide it in proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.	
III. FACILITY NAME					
V. FACILITY MAILING ADDRESS					
VI. FACILITY LOCATION					

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK "X"			SPECIFIC QUESTIONS	MARK "X"		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X			D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY	
1	MOBIL OIL CORPORATION - JOLIET REFINERY

IV. FACILITY CONTACT	
A. NAME & TITLE (last, first, & title)	
2	CLODI CHARLES ASST MGR TECH
B. PHONE (area code & no.)	
815	423 5571

V. FACILITY MAILING ADDRESS	
A. STREET OR P.O. BOX	
3	BOX 874
B. CITY OR TOWN	
4	JOLIET
C. STATE	D. ZIP CODE
IL	60434

VI. FACILITY LOCATION	
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER	
5	INTERSTATE 55 AND ARSENAL ROAD
B. COUNTY NAME	
WILL	
C. CITY OR TOWN	
6	CHANNAHON
D. STATE	E. ZIP CODE
IL	60410
F. COUNTY CODE (if known)	

A. FIRST 2 9 1 1 (specify) Petroleum Refinery	B. SECOND 7 (specify)
C. THIRD (specify)	D. FOURTH 7 (specify)

II. OPERATOR INFORMATION

A. NAME		B. Is the name listed in Item VIII-A also the owner? <input type="checkbox"/> YES <input type="checkbox"/> NO
MOBIL OIL CORPORATION		
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)		D. PHONE (area code & no.)
F = FEDERAL S = STATE P = PRIVATE	M = PUBLIC (other than federal or state) O = OTHER (specify)	P (specify)
E. STREET OR P.O. BOX		H. ZIP CODE
BOX 874		815 423 5571
F. CITY OR TOWN	G. STATE	IX. INDIAN LAND
JOLIET	IL	Is the facility located on Indian lands? <input type="checkbox"/> YES <input type="checkbox"/> NO

EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water) T I L 0 0 2 8 6 1	D. PSD (Air Emissions from Proposed Sources) C T I 9 P
B. UIC (Underground Injection of Fluids) T U	E. OTHER (specify) C T I 9 (specify) Illinois Air Operating Permits (see Attachment A)
C. RCRA (Hazardous Wastes) T R	E. OTHER (specify) C T I 9 (specify) Illinois Special Waste Hauling Permits (see Attachment A)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

Petroleum Refinery

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print) D. E. Choate, Manager Mobil Joliet Refinery	B. SIGNATURE 	C. DATE SIGNED 11/18/82
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COMMENTS FOR OFFICIAL USE ONLY

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ATTACHMENT A

Illinois Air Operating Permits

02110566
72110567
72110568
72110569
02110570
72110571
72110572
72110576
72110577
72110578
02110579
03100075
05030170
07060054
08010017
08010037

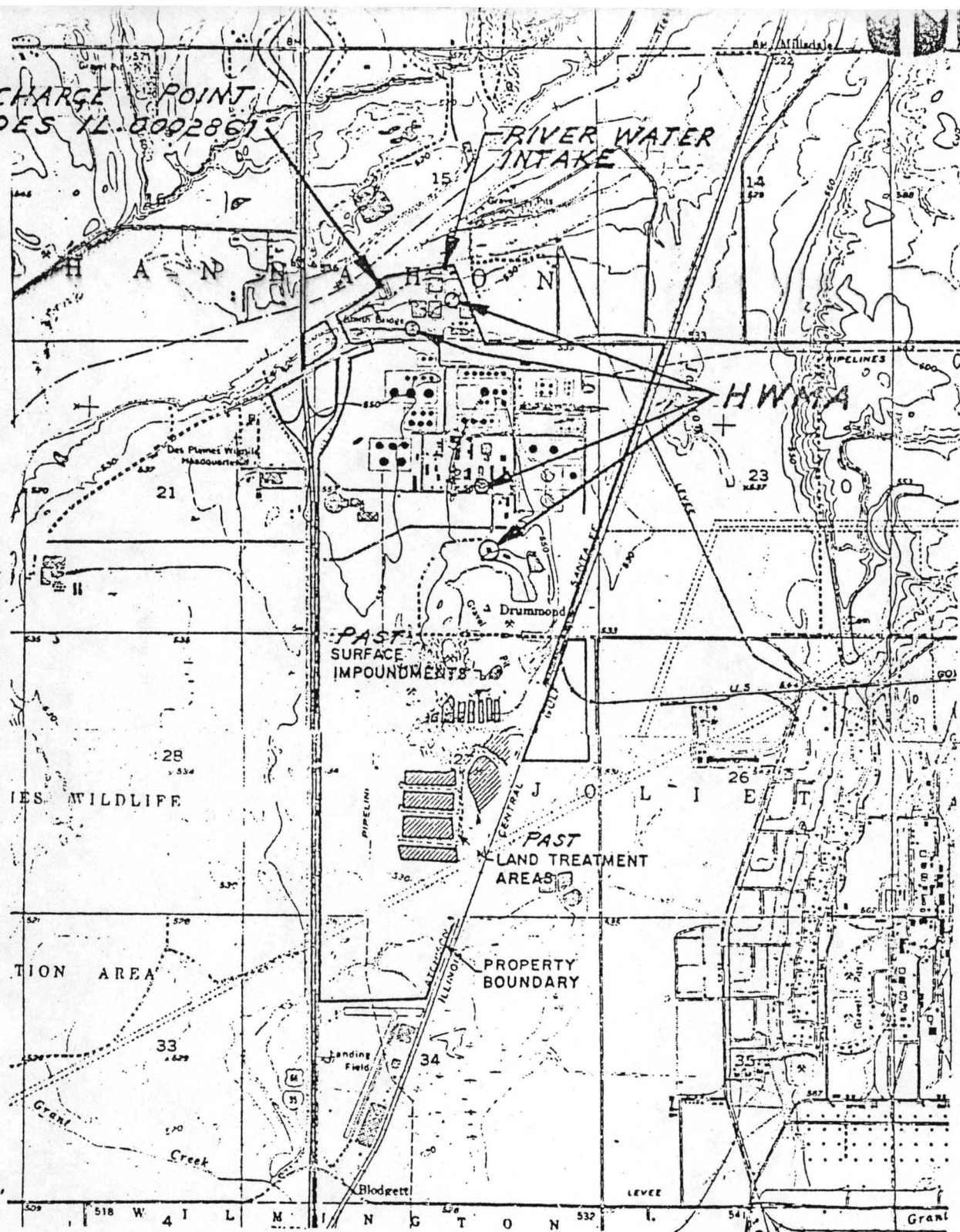
Illinois Special
Waste Hauling Permits*

791984
791265
781397
792404
810307
802675
811153
800973
991411
800435
811513
811729
792948
791921
812651
801221
812728
791263
791267
791264
791983
800946
992120
790720
782385

* Current as of 12/21/81. Authorization numbers will change as IEPA renews these permits.

RMD/klc
0079R

DISCHARGE POINT
NPPDES IL-0002867

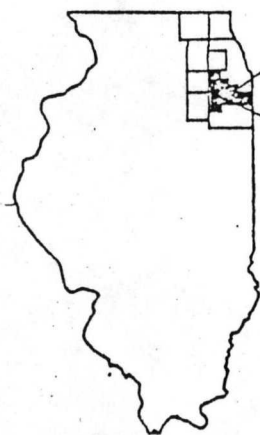


LEGEND

- SURFACE IMPOUNDMENTS
- LAND TREATMENT AREAS

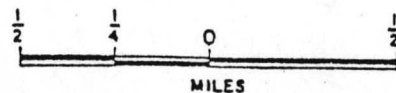
BASE MAP REFERENCE:

U.S.G.S. 7.5 MINUTE SERIES,
CHAMPAIGN, ILLINOIS, 1954
TOPOGRAPHIC QUADRANGLE.



WILL COUNTY

MOBIL, JOLIET REFINERY



MOBIL OIL, JOLIET REFINERY

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☐ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

YR.	MO.	DAY
73	01	01

YR.	MO.	DAY
73	74	77 78

B. REVISED APPLICATION (place an "X" below and complete Item I above)

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY — For each code entered in column A enter the capacity of the process.

1. AMOUNT — Enter the amount.

2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS		T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	SURFACE IMPOUNDMENT		
				T03	TONS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	INCINERATOR		
				T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

DUP									
LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	200	G		5				
X-2	T 0 3	20	E		6				
1	S 0 1	7,500	G		7				
2	T 0 1	250,000	U		8				
3	T 0 1	36,000	U		9				
4					10				

Line 4

T04

89,300

U -

Centrifuge

DESCRIPTION OF HAZARDOUS WASTES

EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE **CODE**
POUNDS.....P
TONS.....T

METRIC UNIT OF MEASURE **CODE**
KILOGRAMS.....K
METRIC TONS.....M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

PROCESSES

1. PROCESS CODES:

For listed hazardous wastes: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 10 pounds per year of that waste. Treatment and disposal will be in a landfill.

LINE NO.	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900 <i>chrome shavings</i>	P	T 0 3 D 8 0	
X-2	D 0 0 2	400 <i>corrosive</i>	P	T 0 3 D 8 0	
X-3	D 0 0 1	100 <i>ignitable</i>	P	T 0 3 D 8 0	
X-4	D 0 0 2	<i>corrosive</i>			included with above

LD 064403199 1

W

DUP

2

DUP

DESCRIPTION OF HAZARDOUS WASTES (continued)

A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
			1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (If a code is not entered in D(1))			
K 0 4 8	2000	T	T 0 1	T 0 4					Centrifuge	
K 0 4 9	170	T	T 0 1	T 0 4					Centrifuge	
K 0 5 1	1000	T	T 0 1	T 0 4					Centrifuge	
D 0 0 1	250	T	T 0 1	T 0 4					Centrifuge	
D 0 0 3									Included with above	
D 0 0 2	4	T	S 0 1							
D 0 0 1									Included with above	
D 0 0 3	550	T	T 0 1	T 0 4					Centrifuge	
D 0 0 2	57,000	T	T 0 1							
D 0 0 1	70	T	T 0 1	T 0 4					Centrifuge	
D 0 0 3									Included with above	
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

EPA I.D. NO. (enter from page 1)

I	L	D	0	6	4	4	0	3	1	9	9	T/A	C
													6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

4	1	2	5	0	2	0
43	44	47	48	49	-	51

LONGITUDE (degrees, minutes, & seconds)

0	8	8	1	1	0	2	0
72	-	74	75	76	77	-	79

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

Mobil Joliet Refining Corporation

8	1	5	4	2	3	5	5	7
33	34	-	38	39	-	41	42	-

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

Box 874

C	G
Joliet	

I L

6	0	4	3	4
43	-	45	46	-

IX. OWNER CERTIFICATION

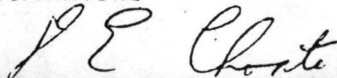
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

D. E. Choate - President
Mobil Joliet Refining Corporation



11/18/82

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

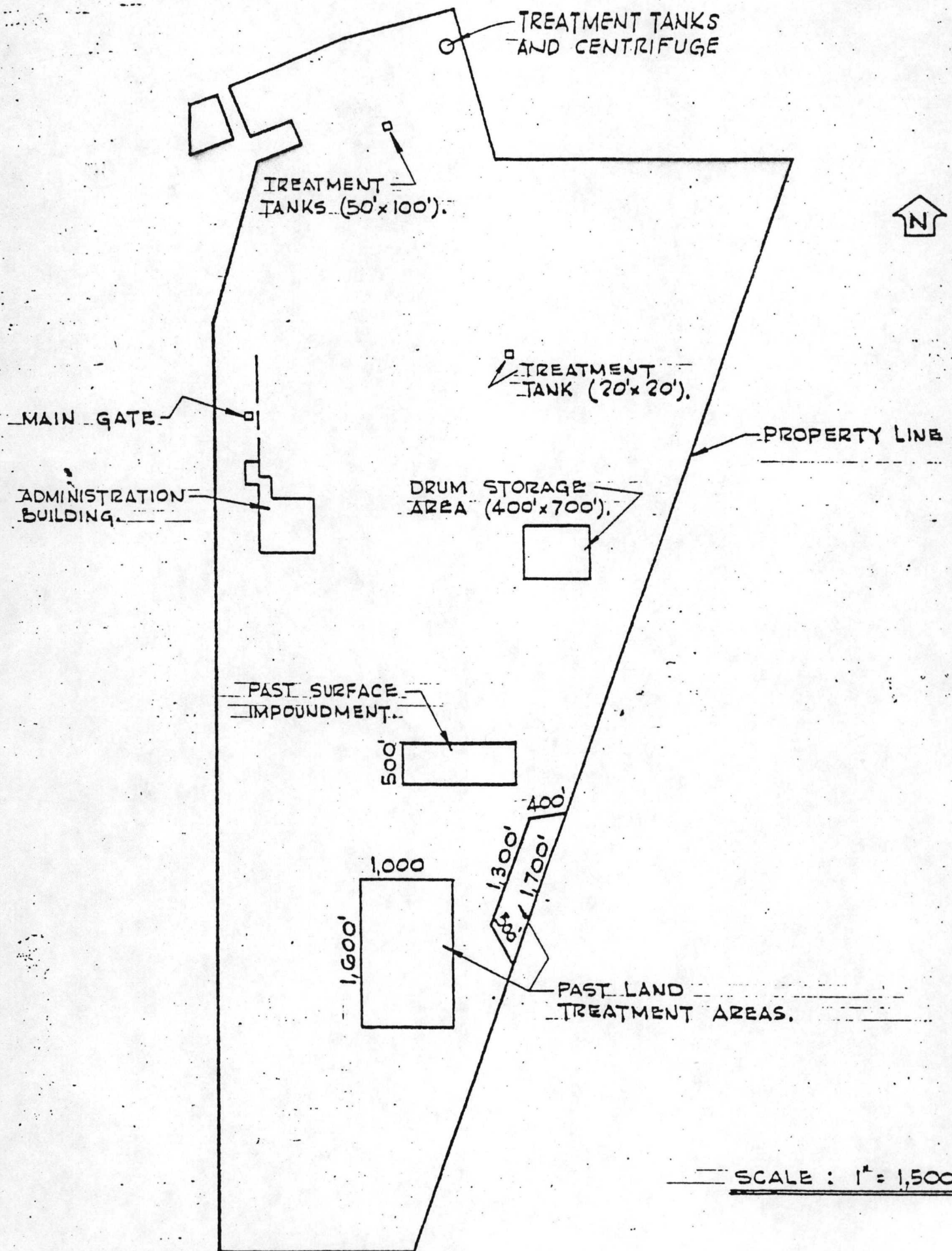
C. DATE SIGNED

D. E. Choate - Manager
Mobil Joliet Refinery



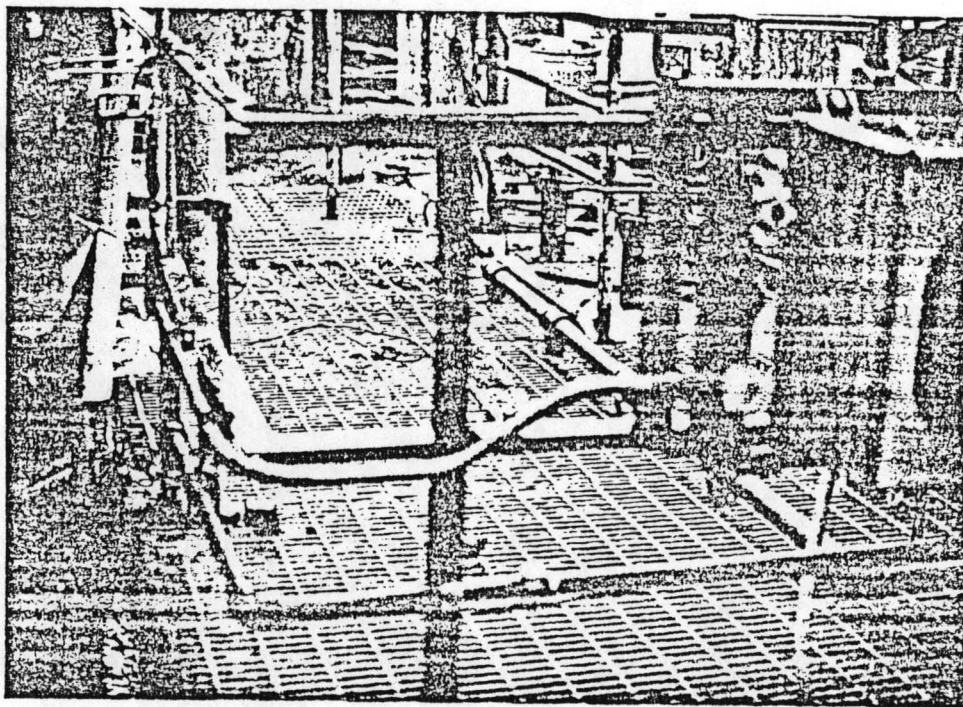
11/18/82

MOBIL OIL CORPORATION JOLIET REFINERY FACILITY

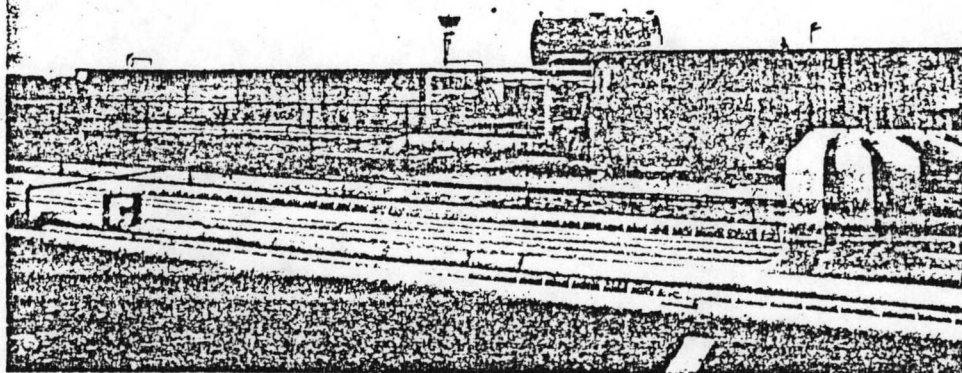


Mobil

JOLIET REFINERY



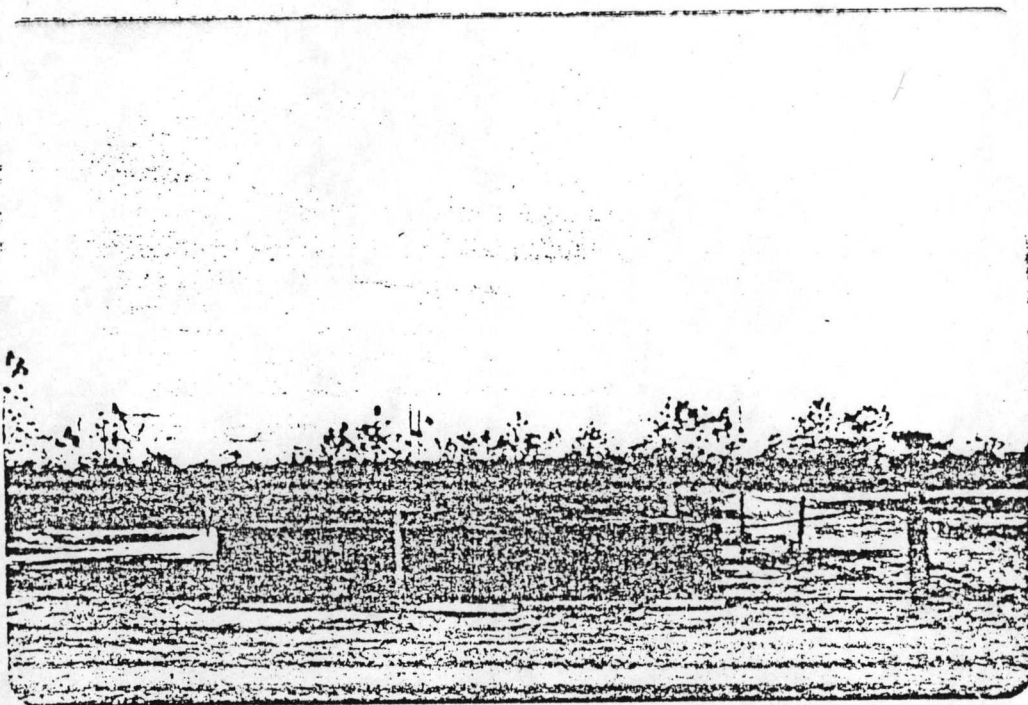
NEUTRALIZATION PIT AT THE ALKYLATION UNIT
(OCTOBER, 1980)



NEUTRALIZATION PITS AT WASTEWATER TREATMENT AREA
(OCTOBER, 1980)

Mobil

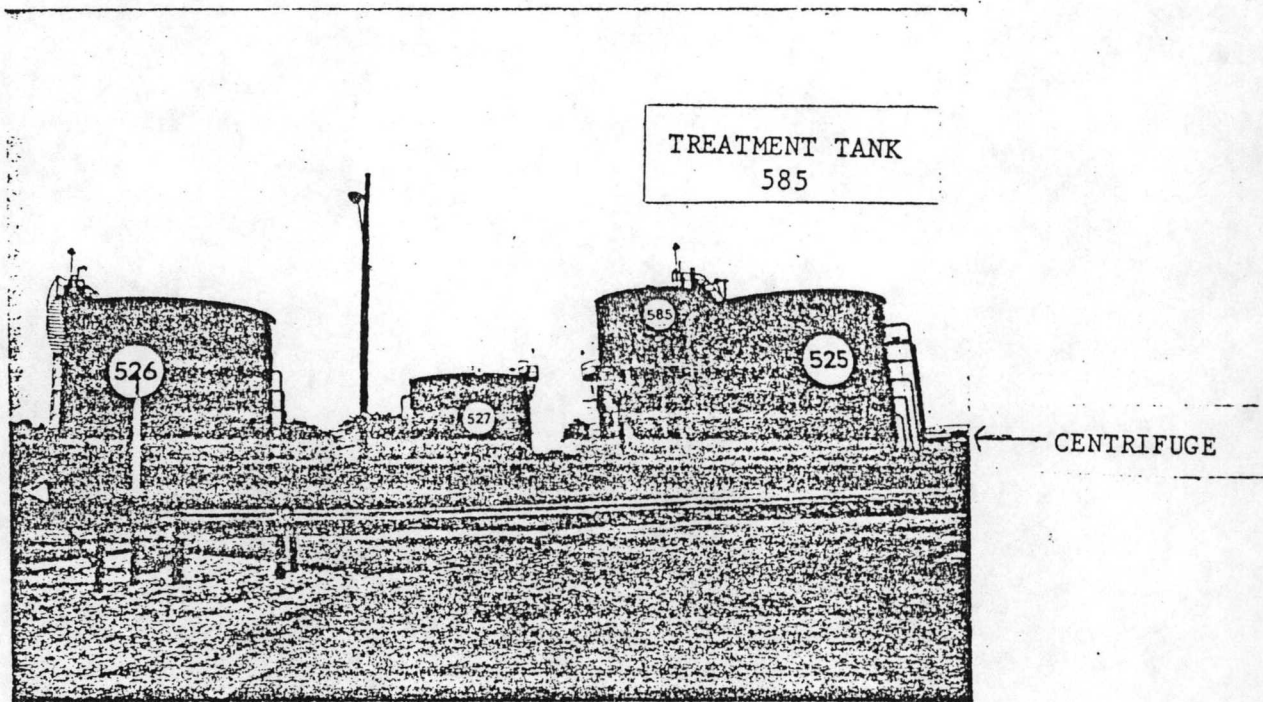
JOLIET REFINERY



DRUM STORAGE AREA
(OCTOBER, 1980)

Mobil

JOLIET REFINERY



SLUDGE DEWATERING SYSTEM
(OCTOBER, 1980)